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A' cancelled an interdigital electrode disposed in contact with the piezoelectric thin film;

wherein

the quartz substrate has an angle ϕ at the Euler angle $(0, \phi, \theta)$ which is selected such that the quartz substrate has a negative temperature coefficient of delay at a predetermined propagation direction θ , and the piezoelectric thin film has a thickness H which is selected such that a fundamental mode of a leaky surface acoustic wave is excited on the quartz substrate and the surface acoustic wave device operates using the fundamental mode of the leaky surface acoustic wave; and

the propagation direction θ is in a range of about 85° to about 95° .

Please cancel claim 5 without prejudice or disclaimer of the subject matter contained therein.